Zoning Ordinance Update

Section 27: Lighting

Proposed Draft 1 changes

Format Changes

- Consistency in order of sections
- All definitions to front of document
- Consistent layout/ fonts
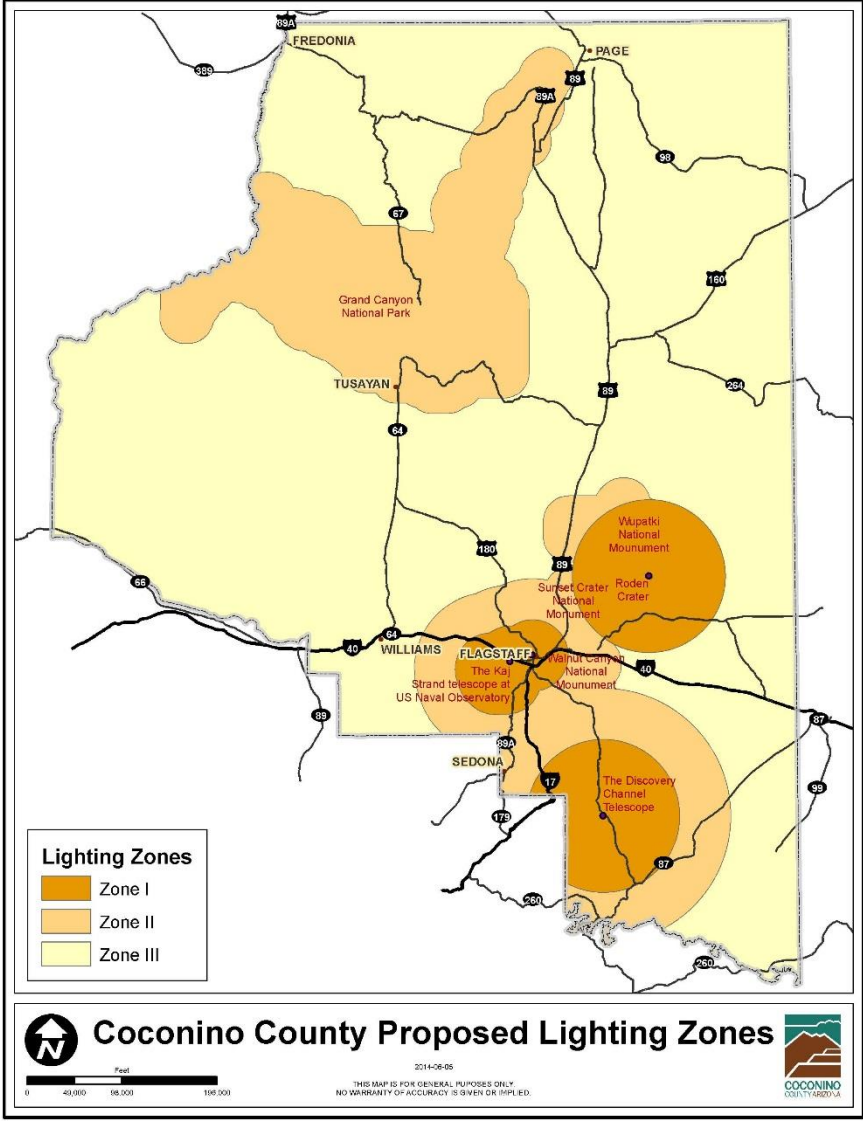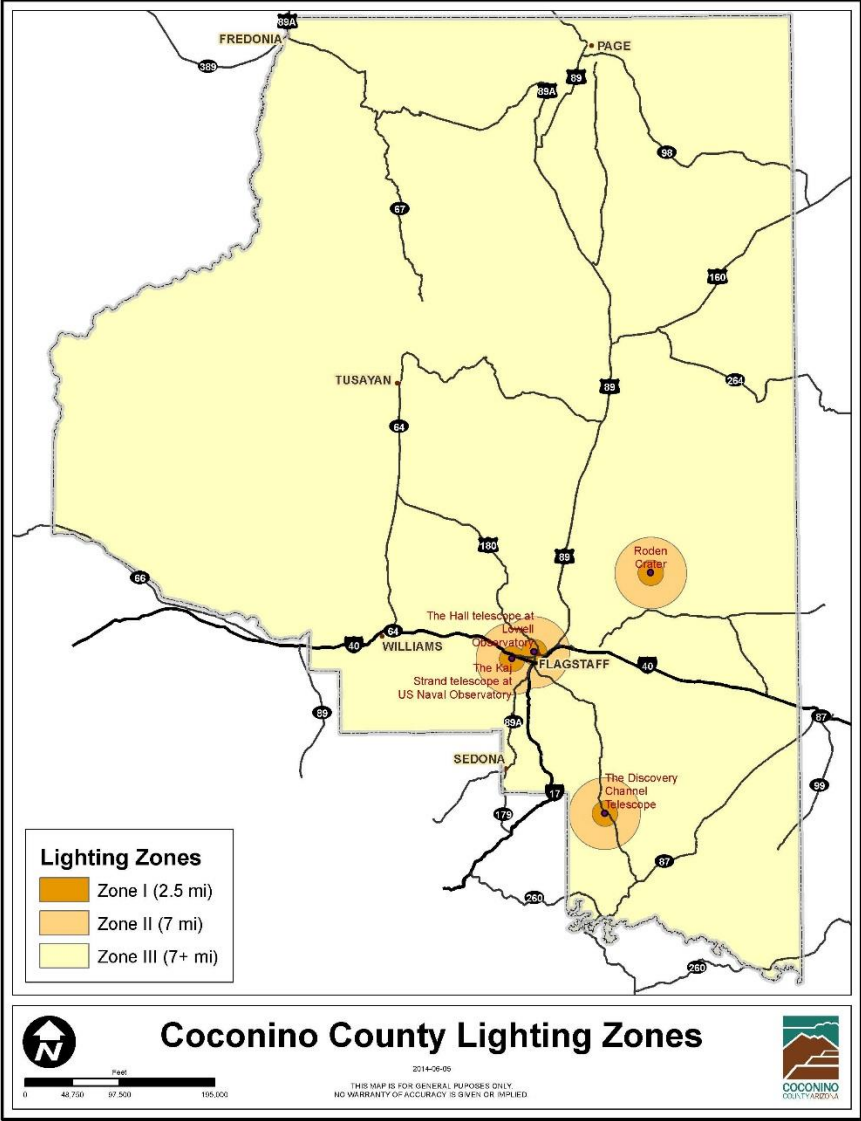- Updated graphics
- Eventual index

Substantive Changes

- ## New Purposes
  - Dark skies for sake of dark skies
  - Biological and health impacts
  - Wildlife

- ## New and Tighter Definitions
  - LED
  - Flood lamp
  - Spot lamp
  - Partially shielded fixture
  - Clarify Class 1 &2
  - Delete Direct Illumination

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Substantive Changes

- **Zone I: Change from within 2.5 miles of Lowell, Naval Observatory, DCT & Roden Crater to:**
  - a. Within seven (7) miles of the The Hall telescope at Lowell Observatory on Anderson Mesa
  - b. Within seven (7) miles of the The Kaj Strand telescope at the U.S. Naval Observatory
  - c. Within fifteen (15) miles of Roden Crater
  - d. Within fifteen (15) miles of the Discovery Channel Telescope near Happy Jack
  - e. Within seven (7) miles of the boundary of Rogers Lake Natural Area

- **Zone II: Change from more than two-point-five miles yet less than seven (7) miles from the locations above to:**
  - a. Within fifteen (15) miles of the Hall telescope at Lowell Observatory on Anderson Mesa
  - b. Within fifteen (15) miles of the Kaj Strand telescope at the U.S. Naval Observatory
  - c. Within twenty-five (25) miles of the Discovery Channel Telescope near Happy Jack
  - d. Within five (5) miles of the boundary of Walnut Canyon National Monument, Sunset Crater National Monument, Wupatki National Monument, and Grand Canyon National Park
  - e. Within fifteen (15) miles of the boundary of Rogers Lake Natural Area

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*INACCURACY IN MAPS: The Hall Telescope is located on Anderson Mesa and not Mars Hill. Updated maps coming to reflect this change.

Coconino County Lighting Zones

Lighting Zones
- Zone I (2.5 mi)
- Zone II (7 mi)
- Zone III (7+ mi)

Coconino County Proposed Lighting Zones

Lighting Zones
- Zone I
- Zone II
- Zone III

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Substantive changes

- Remove unshielded fixtures for class 1&2
- Allow partially shielded in residential but remove allowance for unshielded
- Remove several clauses unneeded because of clarified definitions of shielding
- Allow for tilted sign lights

Allowed	Allowed	Not allowed
sign face	sign face	sign face

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